

## Surface Mount Devices

### General Purpose Thyristors

Type No.	Package Outline	RMS On-State Current $I_{T(RMS)max}$	Average On-State Current $I_{T(AV)max}$	Repetitive Peak Reverse Voltage $V_{RRM} max.$	Non-Repetitive Peak On-State Current $I_{TSM} max.$	Rate Of Rise Of On-State Current $di_T/dt max.$	Rate Of Rise Of Off-State Voltage $dV_D/dt max.$	Gate Trigger Voltage $V_{GTmin.}$	Gate Trigger Current $I_{GTmin.}$	Pinout See Section VII
BT148W-400R -500R -600R	SOT-223	1A	0.6A	400V 500V 600V	10A	50A/ $\mu$ S	5V/ $\mu$ S	1.5V	200 $\mu$ A	Z

### Triacs

Type No.	Package Outline	RMS On-State Current $I_{T(RMS)max}$	Repetitive Peak Off-State Voltage $V_{DRM}max.$	Non-Repetitive Peak On-State Current $I_{TSM}max.$	Rate Of Rise Of On-State Current $di_T/dt max.$	Rate Of Rise Of Off-State Voltage $dV_D/dt max.$	Gate Trigger Current $I_{GTmin.}$		Gate Trigger Voltage $V_{GTmin.}$	Pinout See Section VII
							T2 + T2 - G + G -	T - G +		
BT134W-500 -600 -700 -800	SOT-223	1A	500V 600V 700V 800V	10A	10A/ $\mu$ S	100V/ $\mu$ S	35mA	70mA	1.5V	Y
BT134W-500D -600D	SOT-223	1A	500V 600V	10A	10A/ $\mu$ S	100V/ $\mu$ S	5mA	10mA	1.5V	Y
BT134W-500E -600E	SOT-223	1A	500V 600V	10A	10A/ $\mu$ S	100V/ $\mu$ S	10mA	25mA	1.5V	Y

### Zener Diodes, SOD-80C (500mW)

Type	$V_Z$ (Nom)*		Zener Impedance			Temperature Coefficient	$I_R$ (max)	
			$Z_{zt}$ (max)		$Z_{zk}$ (max)		$\theta_{vz}$ (MAX) (%/°C)	$\mu$ A
	(V)	@ $I_Z$ (mA)	$\Omega$	@ $I_{ZT}$ (mA)	@ $I_{ZK} = 0.25mA$ ( $\Omega$ )			
PMLL5225B	3.0	20	29	20	1600	-0.075	50	1.0
PMLL5226B	3.3	20	28	20	1600	-0.070	25	1.0
PMLL5227B	3.6	20	24	20	1700	-0.065	15	1.0
PMLL5228B	3.9	20	23	20	1900	-0.060	10	1.0
PMLL5229B	4.3	20	22	20	2000	$\pm$ 0.055	5.0	1.0
PMLL5230B	4.7	20	19	20	1900	$\pm$ 0.030	5.0	2.0
PMLL5231B	5.1	20	17	20	1600	$\pm$ 0.030	5.0	2.0
PMLL5232B	5.6	20	11	20	1600	+0.038	5.0	3.0
PMLL5233B	6.0	20	7	20	1600	+0.038	5.0	3.5
PMLL5234B	6.2	20	7	20	1000	+0.045	5.0	4.0
PMLL5235B	6.8	20	5	20	750	+0.050	3.0	5.0
PMLL5236B	7.5	20	6	20	500	+0.058	3.0	6.0
PMLL5237B	8.2	20	8	20	500	+0.062	3.0	6.5
PMLL5238B	8.7	20	8	20	600	+0.065	3.0	6.5
PMLL5239B	9.1	20	10	20	600	+0.068	3.0	7.0
PMLL5240B	10	20	17	20	600	+0.075	3.0	8.0
PMLL5241B	11	20	22	20	600	+0.076	2.0	8.4

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